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# **Defense Environmental Management Program**

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(Installations & Environment)  
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# Today's Agenda

Acquisition, Technology and Logistics

- Importance of Quality Data
- Importance of Partnerships
- Where We Are Today
  - Budget
  - Cleanup Progress
- How Our Progress Informs the Future
- Future for the Military Munitions Response Program
- Future Trends



# Importance of Quality Data

Acquisition, Technology and Logistics

- Good environmental data helps support
  - good decision making
  - defensible products
- At all levels
  - From the field
  - To the lab
  - To the leaders



# Importance of Partnerships

Acquisition, Technology and Logistics

## ➤ Federal Partners

- Intergovernmental Data Quality Task Force (IDQTF)
- National Institute of Standards and Technology (NIST)
- Interstate Technology Resource Council (ITRC)
- Chemical & Material Risk Management Directorate
- Tri-Services Risk Assessment Workgroup

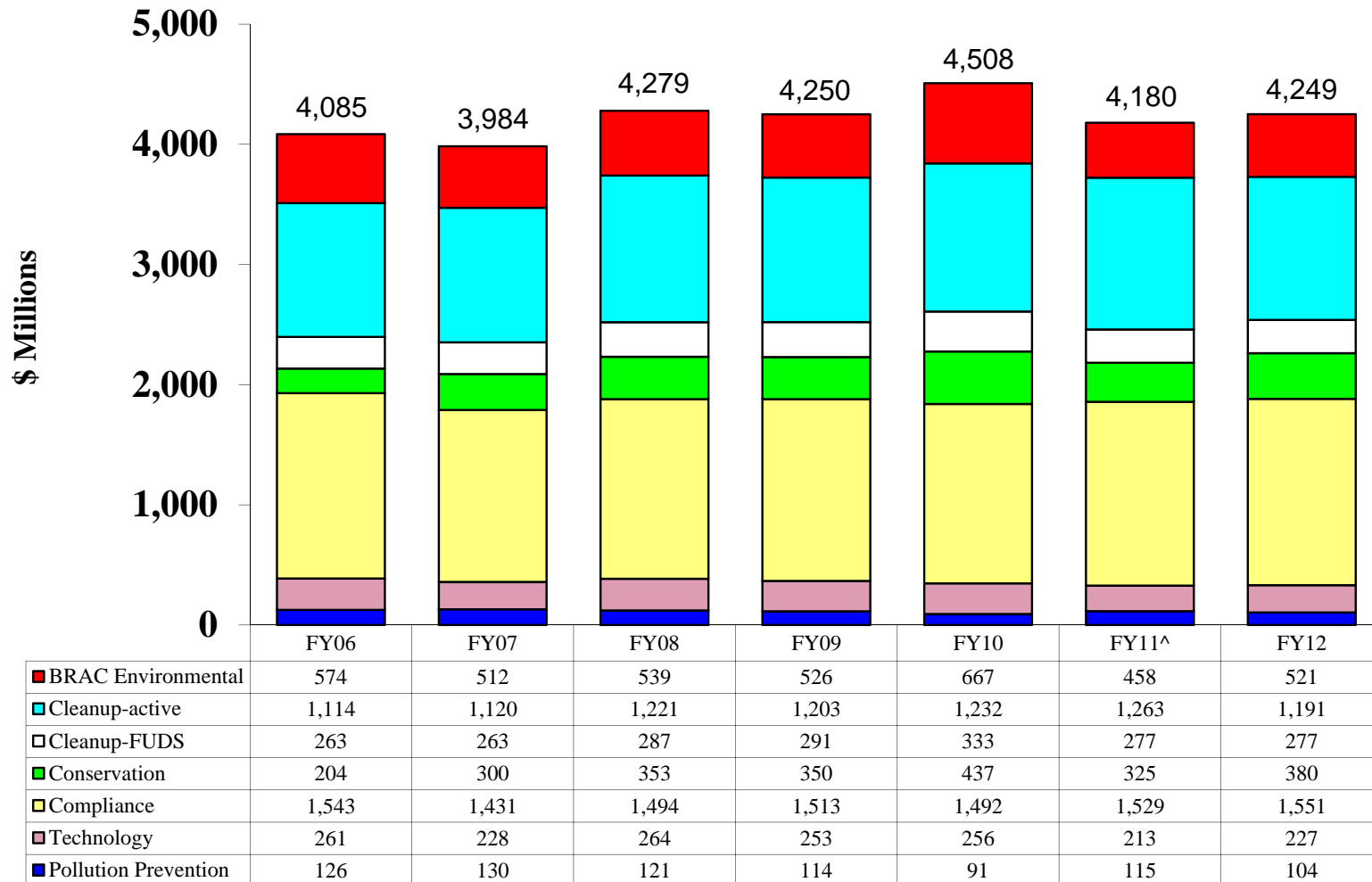
## ➤ Public/Private Partners

- The NELAC Institute (TNI)
- American Council of Independent Laboratories (ACIL)



# Environmental Management Programs (\$ Millions)

Acquisition, Technology and Logistics

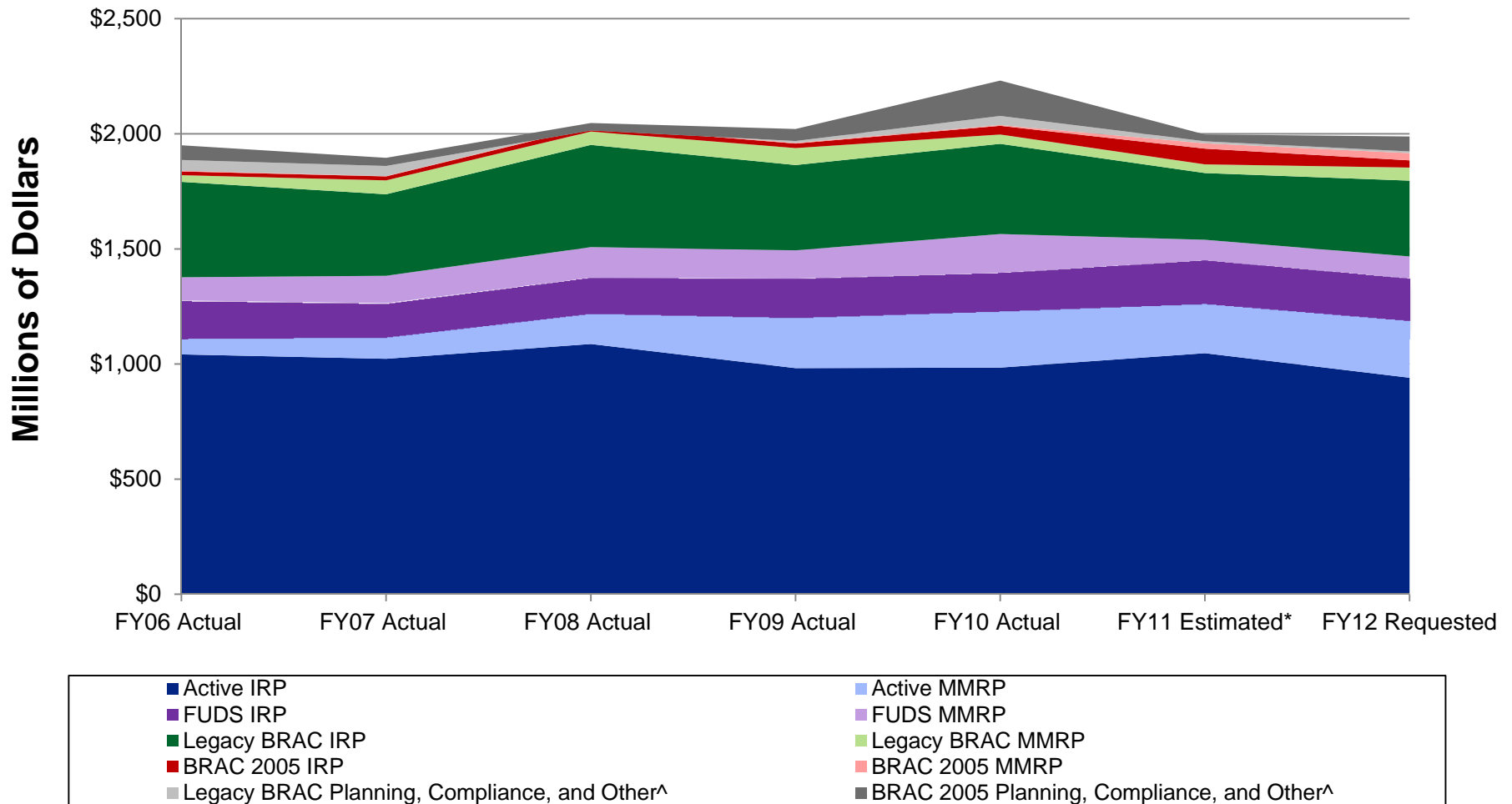


^ Reflects an adjustment to match the Annualized Continuing Resolution funding level by appropriation



# Environmental Restoration Funding

DoD

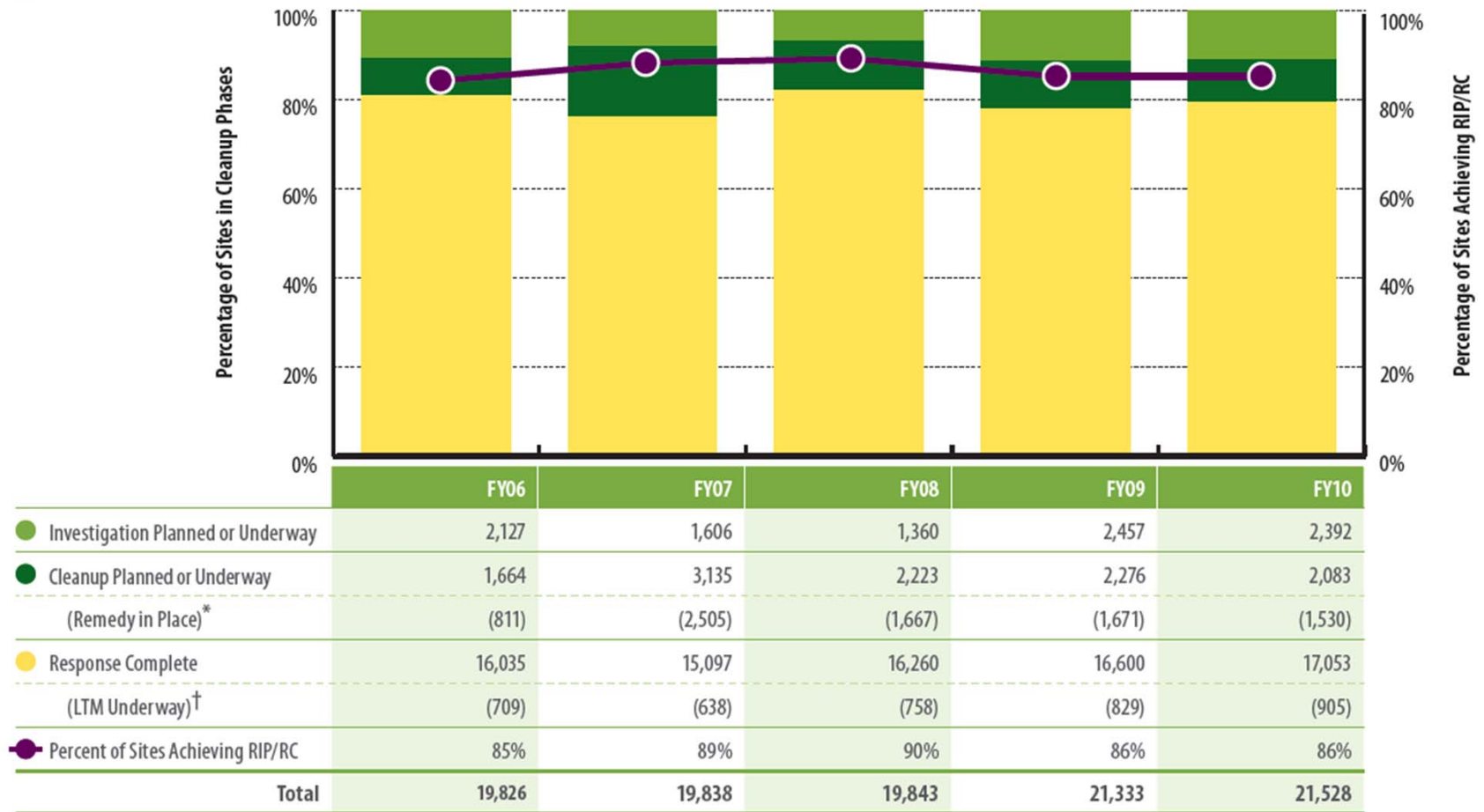


\* Reflects an adjustment to match the Annualized Continuing Resolution funding level

^ Other may include revenue gained from land sales or execution of prior year funding



# IRP Site Status at Active Installations



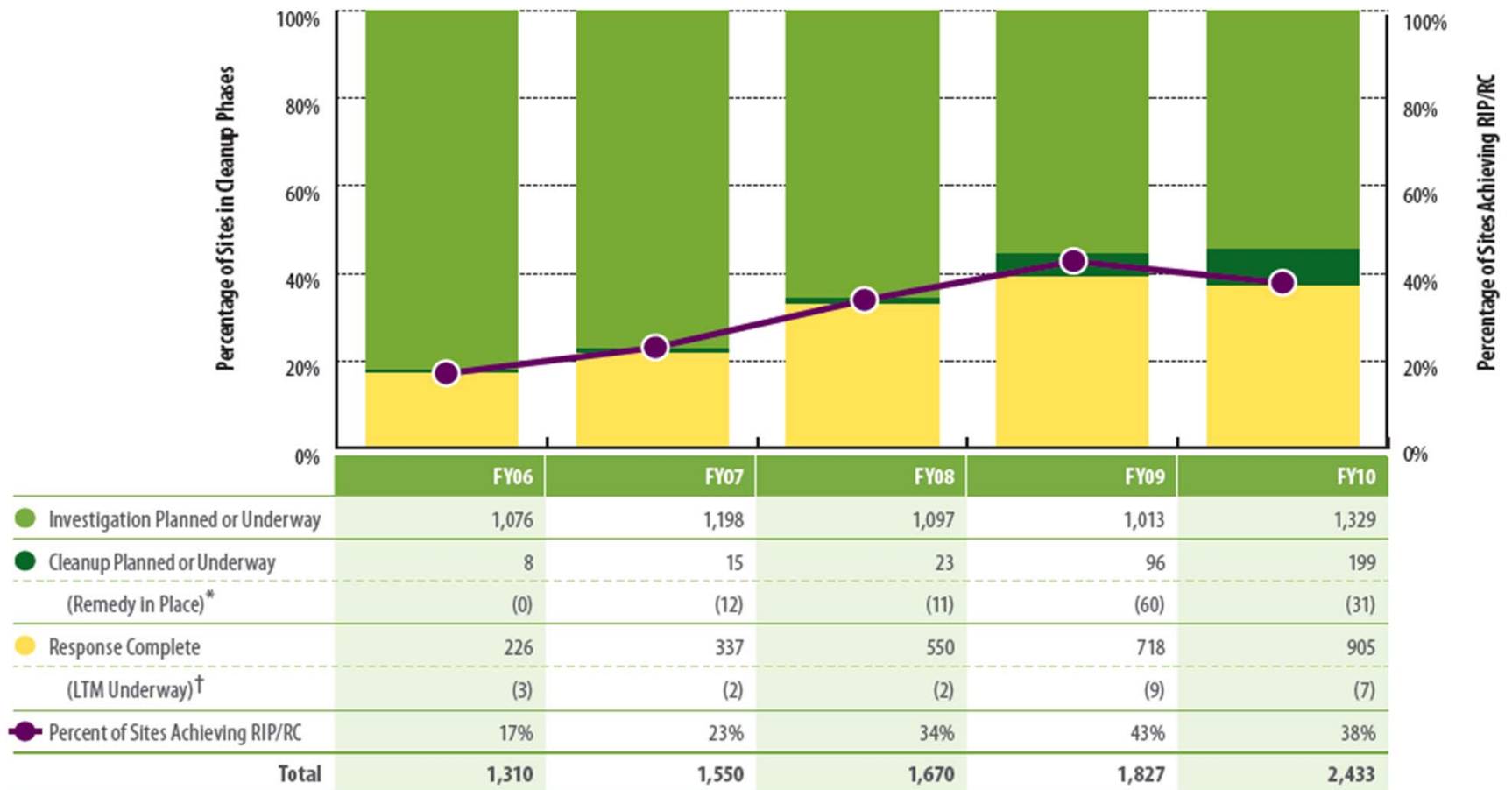
\* Remedy in Place is a subset of Cleanup Planned or Underway.

† LTM is a subset of Response Complete.





# MMRP Site Status at Active Installations



\* Remedy in Place is a subset of Cleanup Planned or Underway.

† LTM is a subset of Response Complete.



# What's Next for Cleanup

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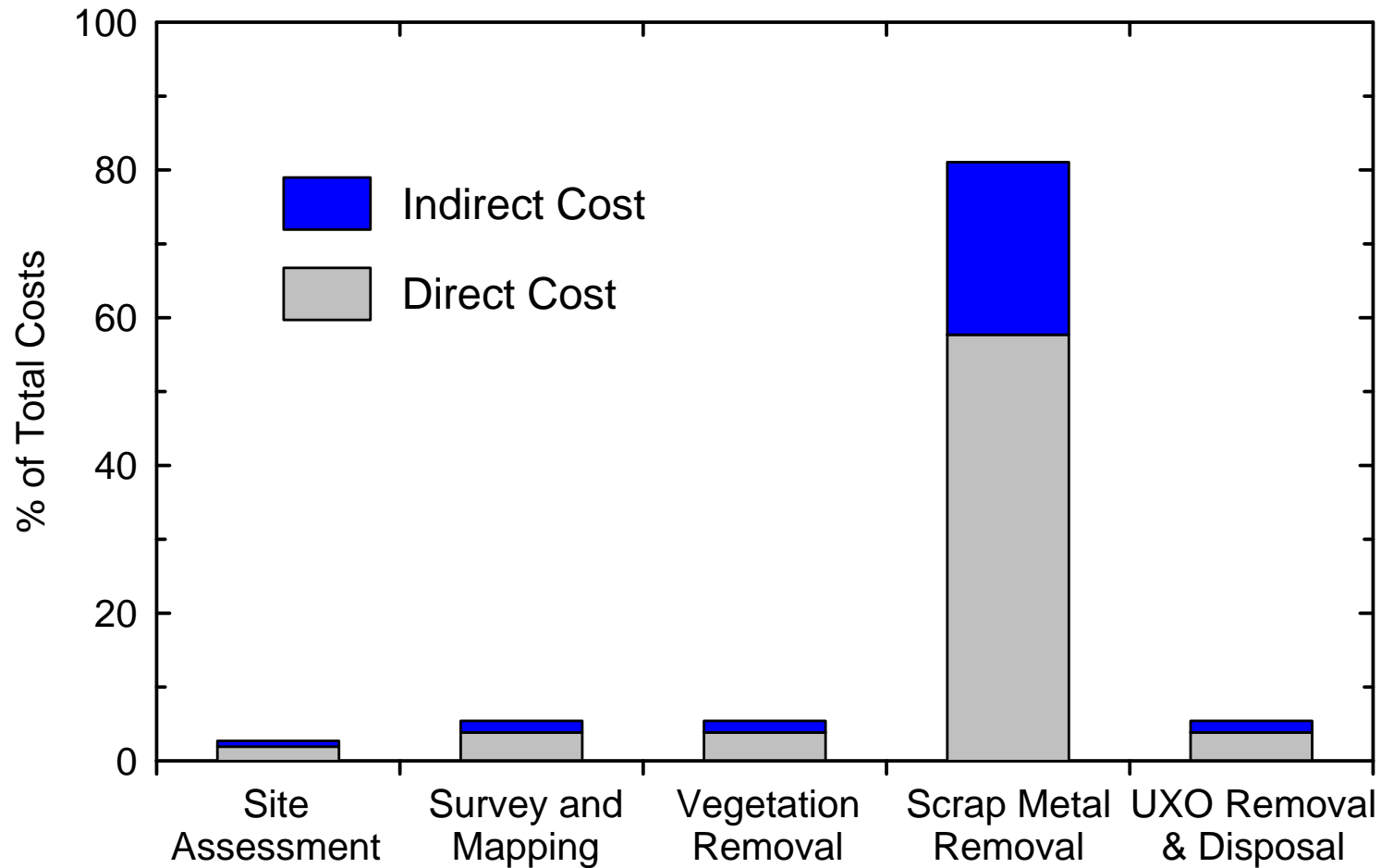
- **What is after the Goal to have all of the Remedies in Place or Responses Complete by the end of Fiscal Year 2014?**
- **Focus on the latter phases of the cleanup program**
  - Achieving Response Complete (RC)?
  - What are our Long-term Management requirements?
  - What is Site Close Out? How do we get there?
- **The next generation of metrics will:**
  - Drive programming, planning, budgeting, and execution
  - Help the DoD Components defend their budgets

**What are the data needs?**



# Defense Science Board UXO Clean-up Cost Break Out

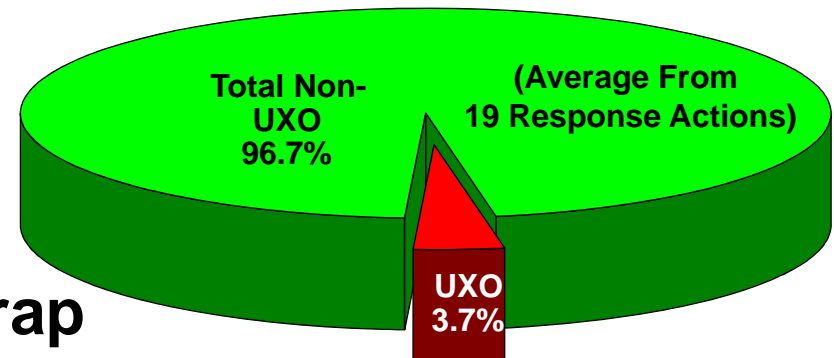
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# Why Discriminate?

- Excavation of suspected UXO drives cost and time
- Less than 4% of excavations are UXO
  - Usually <1%
  - Ex. Camp Butner
    - 7 items out of > 100,000 digs
- Most items are harmless scrap
- Technology can now discriminate UXO from scrap
  - Result of a decade of R&D
  - Proof of concept demonstrated at three real live sites (FUDS)





# Live Site UXO Discrimination Demonstrations

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## ➤ **Goals:**

- Accelerate the pace of cleanup
- Reduce Risk
- Reduce Cost

## ➤ **Objectives:**

- Make sure the technology works -- different munitions, depths, and terrains
- Establish operational procedures and costs
- Train government and contractor community
- Gain regulatory acceptance



# Demonstrations to Date

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## ➤ **Completed**

- Former Camp Sibert, AL – simple site, single munitions type
- Former Camp San Luis Obispo, CA – more difficult, mix of munitions
- Former Camp Butner, NC – small munitions (37 mm)

## ➤ **Ongoing**

- Mare Island Naval Shipyard, CA – industrial site
- Pole Mountain, WY – case study in implementation
- Former Camp Beale, CA – trees, restricted access
- Site TBD

## ➤ **Planned – additional demonstrations in FY12, FY13, and FY14**



# Live Site UXO Discrimination Demonstrations

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## What are we asking of the States?

- **Participate as site team members – both technical and policy representatives**
- **Host training opportunities**
- **Assist in implementation of the demonstrated technologies at your sites**
- **Nominate demonstration sites**
- **Engage more states**

**What are our data needs?**



# DoD Laboratory Accreditation Program

Acquisition, Technology and Logistics

- Promote reciprocity;
- Promote fair and open competition;
- Streamline the procurement process for laboratory services; and
- Promote the collection of data of known and documented quality, suitable for their intended uses

Currently there are 75 accredited labs. List can be found at:  
[www.denix.osd.mil/edqw/Accreditation/index.cfm](http://www.denix.osd.mil/edqw/Accreditation/index.cfm)





# Future Trends

Acquisition, Technology and Logistics

- The Technology Evolution:
  - New sampling methods
  - New testing methods
  - Need to keep QA/QC procedures current
- Are you staying current?



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# Questions?

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<https://www.denix.osd.mil/portal/page/portal/denix>



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# Backup/Information slide



# Cleanup Progress -- FUDS

## IRP Site Status

Goal: Achieve RIP/RC by the end of FY2020



\* Remedy in Place is a subset of Cleanup Planned or Underway.  
† LTM is a subset of Response Complete.

## MMRP Site Status

Goals: Complete preliminary assessments by the end of FY2007; complete site inspections by the end of FY2010



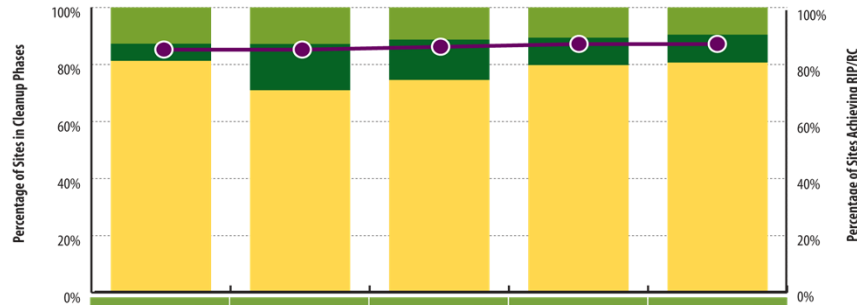
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# Cleanup Progress – Legacy BRAC

## IRP Site Status

Goal: Achieve RIP/RC by the end of FY2015



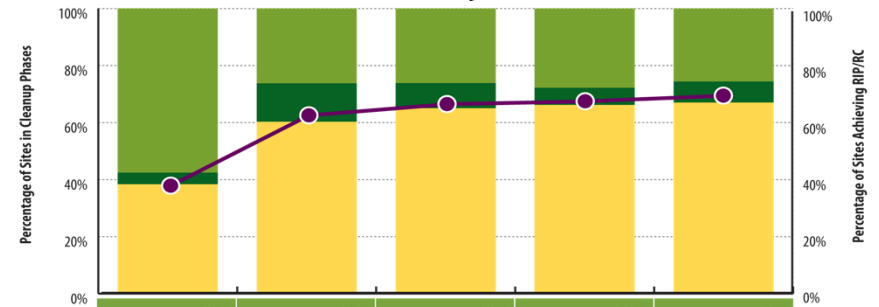
Investigation Planned or Underway	626	636	560	529	474
Cleanup Planned or Underway	295	806	704	478	484
(Remedy in Place)*	(218)	(730)	(623)	(386)	(360)
Response Complete	3,994	3,520	3,701	3,968	3,995
(LTM Underway)†	(362)	(368)	(399)	(388)	(374)
Percent of Sites Achieving RIP/RC	86%	86%	87%	88%	88%
<b>Total</b>	<b>4,915</b>	<b>4,962</b>	<b>4,965</b>	<b>4,975</b>	<b>4,953</b>

\* Remedy in Place is a subset of Cleanup Planned or Underway.

† LTM is a subset of Response Complete.

## MMRP Site Status

Goal: Achieve RIP/RC by the end of FY2009



Investigation Planned or Underway	183	74	74	79	73
Cleanup Planned or Underway	13	38	25	17	21
(Remedy in Place)*	(0)	(7)	(6)	(4)	(9)
Response Complete	122	170	184	188	191
(LTM Underway)†	(11)	(17)	(17)	(20)	(19)
Percent of Sites Achieving RIP/RC	38%	63%	67%	68%	70%
<b>Total</b>	<b>318</b>	<b>282</b>	<b>283</b>	<b>284</b>	<b>285</b>

\* Remedy in Place is a subset of Cleanup Planned or Underway.

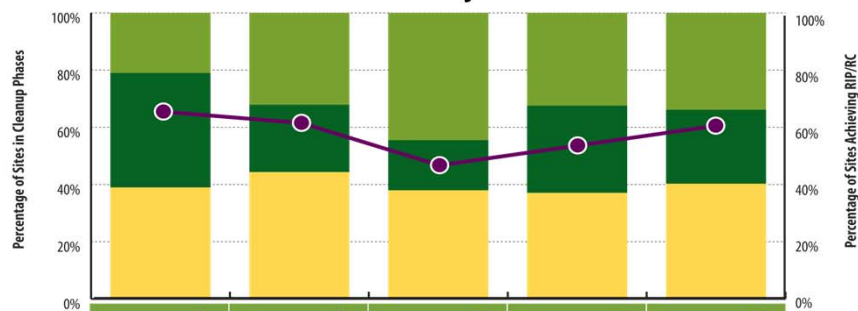
† LTM is a subset of Response Complete.



# Cleanup Progress – BRAC 2005

## IRP Site Status

Goal: Achieve RIP/RC by the end of FY2014



\* Remedy in Place is a subset of Cleanup Planned or Underway.

† LTM is a subset of Response Complete.

## MMRP Site Status

Goal: Achieve RIP/RC by the end of FY2017



\* Remedy in Place is a subset of Cleanup Planned or Underway.

† LTM is a subset of Response Complete.